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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/758,344	01/15/2004	Kiri B. Amarakoon	D/A2491 XERZ 2 00657	6411	
27885	7590 04/07/2006		EXAMINER		
	RPE, FAGAN, MINNICH	BEATTY, ROBERT B			
1100 SUPERIOR AVENUE, SEVENTH FLOOR CLEVELAND, OH 44114			ART UNIT	PAPER NUMBER	
U	,		2852		
	•		DATE MAILED: 04/07/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary			AMARAKOON, KIF	ם וכ	and		
		10/758,344 Examiner	Art Unit	N Б.	<u> </u>		
		Robert Beatty	2852				
	The MAILING DATE of this communication app	. <u> </u>		dress			
Period fo							
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE is not of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. In period for reply is specified above, the maximum statutory period we re to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (6(a). In no event, however, may a reply be tim (ill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	L. lely filed the mailing date of this co O (35 U.S.C. § 133).	·			
Status							
2a)⊠	Responsive to communication(s) filed on <u>03 Fe</u> This action is FINAL . 2b) This Since this application is in condition for allowan closed in accordance with the practice under <i>E</i>	action is non-final. ace except for formal matters, pro		merits is	5		
Dispositi	on of Claims				•		
5)□ 6)⊠ 7)□ 8)□ Applicati 9)□ 10)□	Claim(s) 1-5 and 8-19 is/are pending in the app 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1-5,8-19 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or on Papers The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction The oath or declaration is objected to by the Ex	vn from consideration. relection requirement. r. epted or b)□ objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CF		d).		
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
2) 🔲 Notic 3) 🔲 Inforr	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa	ite	-152)			

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Claims 5 and 19 are objected to because of the following informalities: claims
 5 and 19 appear to be duplicates;

Appropriate correction is required.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 17·18 are rejected under 35 U.S.C. 102(e) as being anticipated by Chen et al.

Chen teach an image forming apparatus comprising a first fusing assembly which softens (pre-fusing) a toner image on a recording sheet via transfer roller 27 and heater 7 during a transfer operation of the toner image to a recording sheet, a second fusing assembly 4 which can comprise two rollers or a belt/roller combination for final fusing of the toner image to the recording sheet, a release agent for applying silicone oil to the fusing device (col.6, lines 27-43), and a gloss enhancing device 5 comprising two rollers or a belt/roller combination for enhancing the image. See col.4,line 63 - col.7, line 7.

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 12-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Funato in view of Chen et al.

Funato teach an image forming apparatus comprising a plurality of developing devices 223, a photosensitive drum 22, an intermediate transfer belt 23, and a transfer roller 24 for transferring images from the intermediate transfer belt to a recording sheet. A primary fixing means 5,251 is located downstream of the transfer roller and a secondary fixing means 6,252 is located downstream of the primary fixing means in a separate section. The primary fixing means comprises a fusing roller and pressure roller while the secondary fixing means comprises a fusing belt and pressure roller. A plurality of sheet feeders 31-34 transport sheets to receive an image.

The apparatus can form monochrome (e.g. black and white) or full color images on either a single side or both sides of the recording sheet. The full color image is typically a photograph. In addition, a standard mode (normal image quality) and a high quality mode can be selected. High quality images are

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associated with full color images and normal quality images are associated with mono-color images (e.g. col.3, lines 38-53). Fig.9A - 9C and 10A -10 C show the various modes for one-sided and two-sided images. Referring to Fig. 9A - 9C, in the two-sided mode, the front side is fixed by the primary fixing means and the second side is fixed by the primary and secondary fixing means set at various speeds. The primary fixing means for the first side is only set so the image is not peeled as it is returned for a second image on the second side (col.3, line 64 - col.4, line 4). This is considered applicant's partial fusing step. The image on the first side is monochrome and the image on the second side is full color (such as a post-card). Referring to Fig.s 10A - 10C, in the one-sided mode, the image is fully fused by the primary fusing device if it is a standard image (mono-color) or partially fused then fully fused by the primary and secondary fixing means if it is a full-color image (col.12, line 4 - col.13, line 45).

Specifically, Funato teach everything claimed except a gloss enhancing section after the final fusing of the toner image to the recording sheet and the secondary fusing device comprising a belt. Chen teach an image forming apparatus comprising a first fusing assembly which softens (pre-fusing) a toner image on a recording sheet via transfer roller 27 and heater 7 during a transfer operation of the toner image to a recording sheet, a second fusing assembly 4 which can comprise two rollers or a belt/ roller combination for final fusing of the toner image to the recording sheet, a release agent for applying silicone oil to the fusing device (col.6,

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lines 27-43), and a gloss enhancing device 5 comprising two rollers or a belt/roller combination for enhancing the image. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Funato with a gloss enhancing device as taught in Chen et al. because it is desirable that images, especially color images, have a glossy appearance so as to enhance appearance as taught by Chen et al. It also would have been obvious to one of ordinary skill in the art at the time the invention was made to use either two rollers or a belt/roller combination to fusing a toner image because both are alternatively used in the toner fixing art as taught by Chen and both provide for adequately fused toner images.

4. Claims 1-5,8-11,19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Funato in view of Chen et al. as applied to claims 12-16 above, and in further in view of Kouchi.

Funato and Chen et al. taught supra discloses most of what is claimed. Chen further describes a release agent for applying silicone oil to the secondary final fusing device (col.6, lines 27-43). Specifically what is not taught is the paper supply section being disposed in a separate section. Kouchi teach an image forming apparatus comprising a sheet feeding section 200 being separate from the image forming section 100. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the final fusing apparatus of Funato to

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have a release agent applying system because toner offset can be reduced or prevented as taught in Chen et al. It also would have been obvious to one of ordinary skill in the art at the time the invention was made to make the sheet feeding system separate because handling of the image forming apparatus and maintenance is easier (col.1, line 32 · col.2, line 6).

5. Applicant's arguments filed 2/3/06 have been fully considered but they are not persuasive.

Funato teach the concept of a first fusing assembly for partially fusing the images, and a second assembly for permanently fusing the images. Chen et al. teach a similar arrangement but with a gloss enhance section after the second assembly and a release agent device for applying release agent to the fusing assembly. The combination would appear to teach applicant's invention. In addition, claims 17-18 still appear to be anticipated by Chen et al.

6. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire

THREE MONTHS from the mailing date of this action. In the event a first reply is

filed within TWO MONTHS of the mailing date of this final action and the advisory

action is not mailed until after the end of the THREE-MONTH shortened statutory

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period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Beatty whose telephone number is (571) 272-2130. The examiner can normally be reached on M-F from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Arthur Grimley, can be reached on (571) 272-2136. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Robert Beatty

Primary Examiner Art Unit 2852

April 4, 2006